

To: Fagen, Elizabeth[Fagen.Elizabeth@epa.gov]
From: Schmittiel, Paula
Sent: Fri 1/30/2015 7:08:40 PM
Subject: FW: Materials for ARSG Technical Workgroup Meeting - 2
[First look at spring sampling abv A68.xlsx](#)
[Comparing Loads at Four Gages.xlsx](#)

Paula Schmittiel

Remedial Project Manager

U.S. Environmental Protection Agency

1595 Wynkoop St.

Denver, CO 80202

Office: 303-312-6861

Fax: 303-312-7151

Cell: 720-951-0795

From: Peter Butler [mailto:butlerpeter2@gmail.com]
Sent: Monday, November 10, 2014 11:08 AM
To: Bill Simon; Steve Fearn; Steve Sample; Lisa Richardson; Larry Perino; Kay Zillich; Chris Peltz; Chuck Wanner; Todd Hennis; Tom Schillaci; Schmittiel, Paula; Way, Steven; Wall, Dan; Rob Runkel; Katie Walton-Day; Barb Horn; Buck Skillen; Brent Lewis; Kirstin Brown; John Ferguson; Ronald Borrego; Camille Price; 'Samantha Wright'; 'David Heinze'; 'Marcus, Darlene'; 'Lewandowski - DNR, Joe'; 'Jason Willis'; Mary Blanchard
Subject: Materials for ARSG Technical Workgroup Meeting - 2

Hi Folks – Here are a couple of other spreadsheets to look at for Thursday. They are small and straightforward. One is a look at the metal loading from samples taken at Howardsville and A68 this past spring. The other is a comparison of zinc and cadmium loading from the different gaging stations to get a sense as to when which sub watershed contributes this largest load.

Peter Butler

970-259-0986

Cell 970-317-0584

From: Peter Butler [<mailto:butlerpeter2@gmail.com>]

Sent: Friday, November 07, 2014 2:42 PM

To: Bill Simon; Steve Fearn; Steve Sample; Lisa Richardson; Larry Perino; Kay Zillich; Chris Peltz (**Personal Email/Ex. 6**); Chuck Wanner; Todd Hennis; Tom Schillaci; Paula Schmittziel; Steve Way; Dan Wall; Rob Runkel; Katie Walton-Day; Barb Horn; Buck Skillen (fpope@bresnan.net); Brent Lewis; Kirstin Brown; John Ferguson; Ronald Borrego; Camille Price; 'Samantha Wright'; 'David Heinze'; 'Marcus, Darlene'; 'Lewandowski - DNR, Joe'; 'Jason Willis'; Mary Blanchard

Subject: Materials for ARSG Technical Workgroup Meeting

Dear Stakeholders – We have an ARSG Technical Workgroup meeting next Thursday, Nov. 13 at 1:00 at the Public Lands Center in Durango.

Call in info : dial **Nonresponsive Conference Code**

I am inundating you with information with this email, but the larger files are mostly background material for your reference if need be.

Agenda:

1. Data discussion, mostly focusing on the Animas River above Silverton.

2. Discussion of sites that might be a priority for BLM for remediation outside of Upper Cement Creek.

3. Continuing exploration of InnoCentive leads (if time permits).

We thought that since EPA is spending much effort on investigating metal loading sources above Silverton in the Animas drainage, we should take time to understand what information we already have.

Summary of attached files:

Summary of fish data – This includes preliminary data from 2014 (please don't quote without talking to Jim White at DPW first) at Teft Spur (confluence of Cascade Creek with the Animas) and in Durango. Elk Park and A72 were not surveyed because the water was too high this fall.

Adit Ranking by Metal and Combined Mine Waste R & P Table – These are background material to help you understand where we derived the priority sites for remediation in the Upper Animas Basin. A huge amount of time and effort went into developing these spreadsheets in the late 1990's.

Priority Remediation Sites and ARSG Summary of Remediation Projects – The first document is a list I cut down to just the sites in the Animas drainage above Silverton. This table was an outgrowth of the two spreadsheets described above. The second document is a list of remediation projects that have been completed in the Animas drainage above Silverton.

Kimball et al and Vol1 chap e9 – These documents describe tracer studies. The first is two tracers done in Aug 2002 and April 2003 between Howardsville and A68. Many of you have seen this study previously. The Vol1 chap e9 document is from the two volume set of USGS reports on the Animas River basin and describes all the tracer studies including ones in California Gulch and from Eureka to Howardsville. With both these documents, I suggested you

focus on the tables and figures regarding the Animas above Silverton instead of trying to wade through all the text.

Major adits table – This is list of ARSG’s priority adits with notations as to which ones we believe are on either BLM or Forest Service land. We will use this to start our discussion of item 2 on the agenda.

Well Data and Well Key – Shows well data that has been collected. We want to discuss if it makes sense to collect more data at some of these sites.

In the coming days, I will also send you initial analyses of the weekly data Lisa Richardson collected last spring and of data versus water quality standards at Bakers Bridge.

Peter Butler

970-259-0986

970-317-0584